

ABSTRACT

A method and system for designing and making garments is disclosed that does not require sewing. This method and system makes possible a seamless garment finish that is more comfortable than a finish having seams and other imperfections due to the need to tuck/sew edges and joints. The disclosed seamless technology employs a thin film of adhesive that is preferably an ether-based polyurethane although other adhesives are acceptable. This adhesive is prelaminated on at least one surface prior to lamination to another surface under conditions to control adhesion, stretch, breathability, and longevity of the garment. Lamination also allows for a seamless finish without fraying at the edges resulting in even displacement of pressure against the skin of the wearer for greater comfort. Disclosed seamless manufacturing techniques can be applied in an iterative fashion to manufacture inserts and support elements that are subsequently incorporated into laminated garments following additional lamination steps.